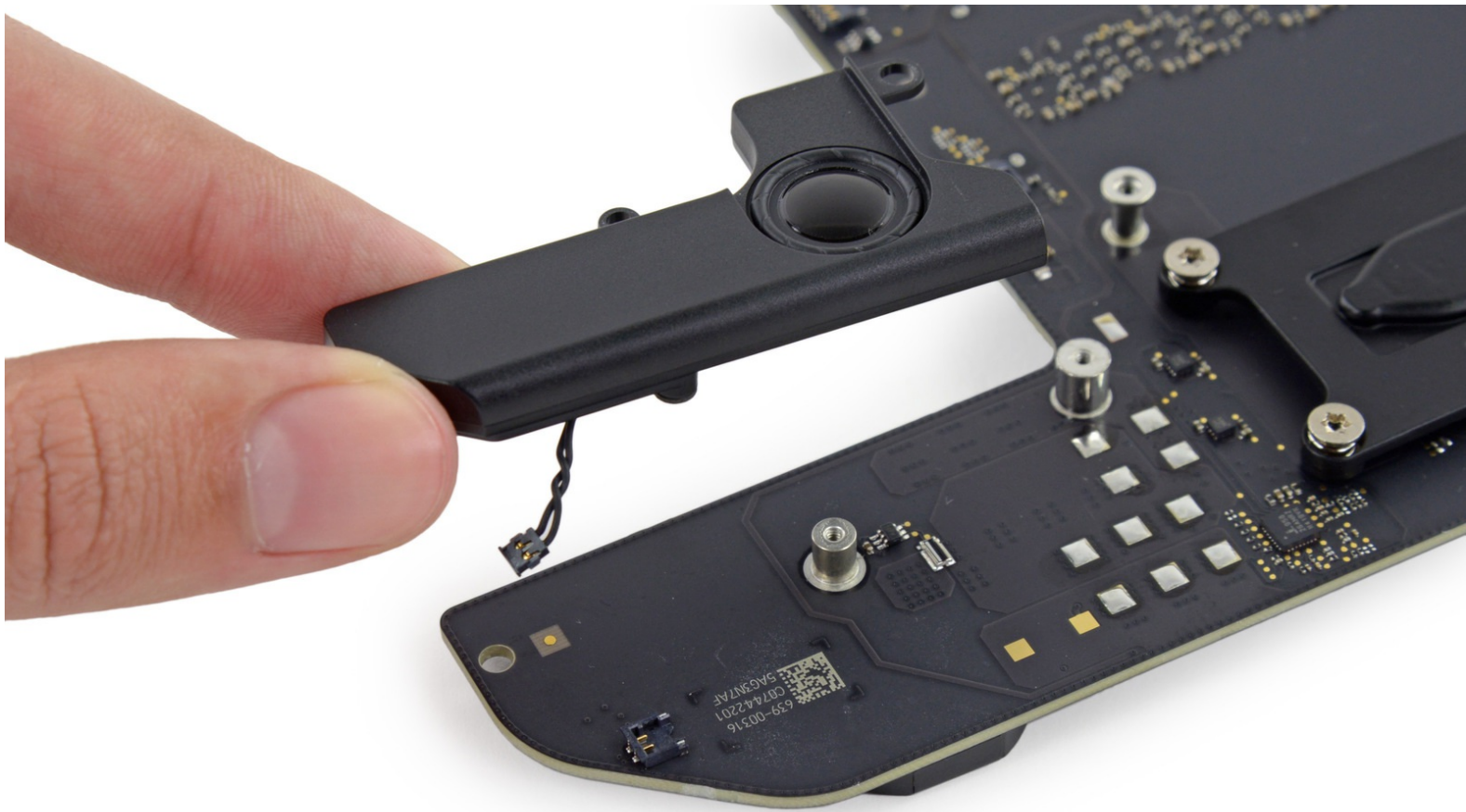




Mac Mini Late 2014 Speaker Replacement

Replace the speaker in a Mac Mini Late 2014.

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INTRODUCTION

Use this guide to replace a faulty speaker in your Mac Mini Late 2014.

This guide was made with a Fusion Drive Mac Mini, and may have more connectors and components than your model. Don't be alarmed if you're missing a hard drive or SSD connector!



TOOLS:

- [iFixit Opening Tools](#) (1)
- [Spudger](#) (1)
- [TR6 Torx Security Screwdriver](#) (1)
- [Mac Mini Logic Board Removal Tool](#) (1)



PARTS:

- [Mac mini A1347 \(Mid 2010 - Late 2014\) Speaker](#) (1)

Step 1 — Bottom Cover



- The bottom cover is clipped onto three screw posts.
- Pry near, but not right on the screw posts.

Step 2



- Use the plastic opening tool to pry the bottom cover up off of the Mac Mini.

Step 3



- Lift and remove the bottom cover.

Step 4 — Antenna Plate



- Remove the following TR6 screws from the antenna plate:
 - Three 4.1 mm screws
 - Three 1.9 mm screws

Step 5



⚠ Do not completely remove the antenna plate; it is still connected to the Mac Mini by an antenna cable.

- With the I/O ports facing you, flip the antenna plate to the right to allow access to the antenna cable connector.

Step 6



- Remove the single 3.4 mm T6 screw and washer from the antenna cable.
- i** Be careful not to lose the washer when removing the screw.

Step 7



- Use the point of a spudger to lift the antenna connector straight up off its socket on the airport card.

Step 8



- Carefully pull the antenna cable out from the gap between the power supply and case.

Step 9



- Remove the antenna plate from the Mac Mini.

Step 10 — Fan Assembly



- Remove the two 12 mm T6 screws from the fan.
- Loosen the 27 mm T6 captive screw.

Step 11

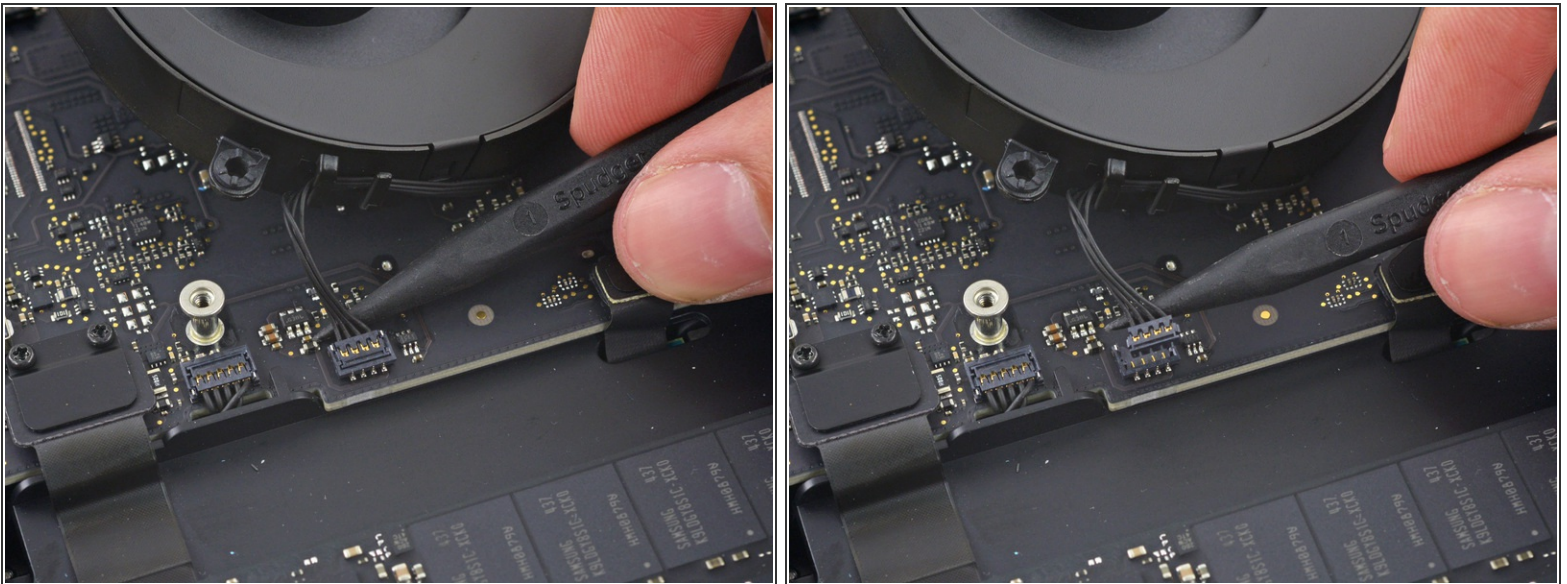


i The fan connector is trapped under the edge of the fan and cannot be disconnected until the fan is moved.

⚠ Do not attempt to remove the fan entirely.

- Lift the fan straight up to free the captive screw from its hole in the logic board.
- Pull the fan away from the SSD until you can easily access the fan connector.

Step 12



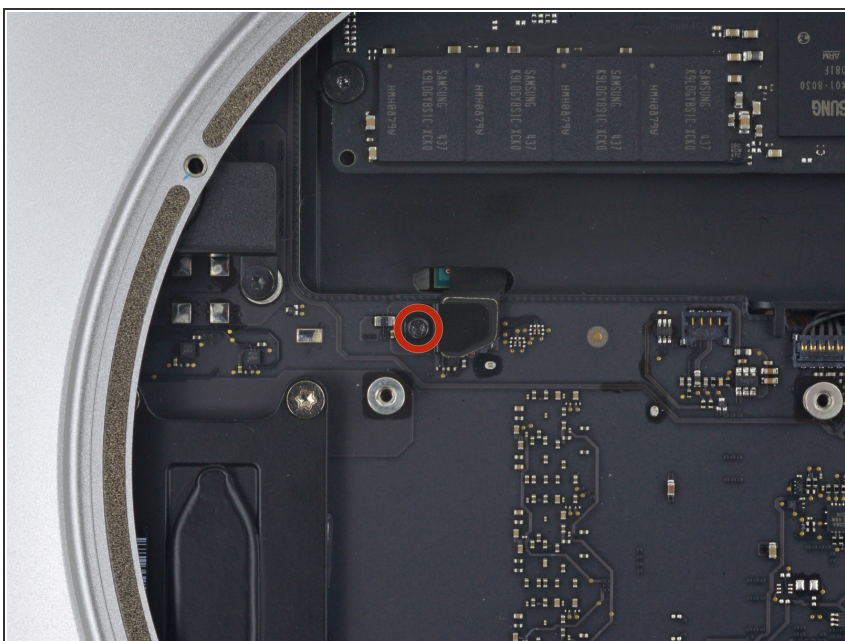
- Use the point of a spudger to lift the fan connector straight up out of its socket on the logic board.

Step 13



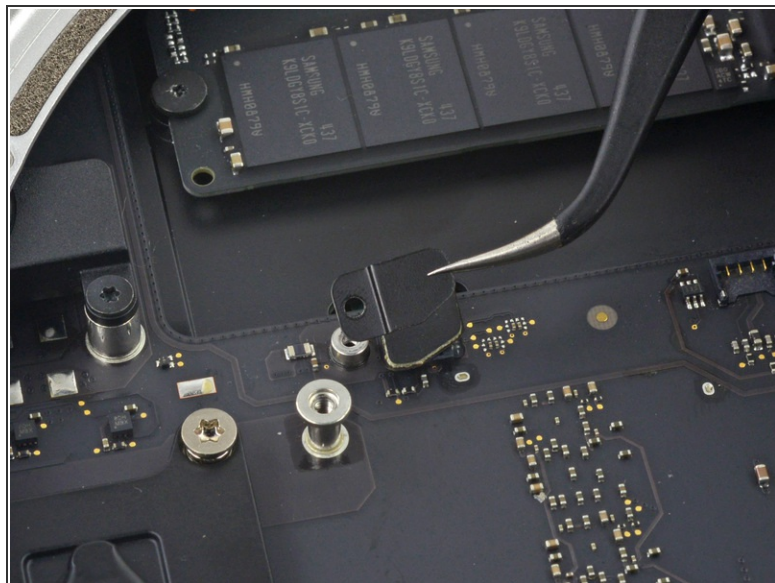
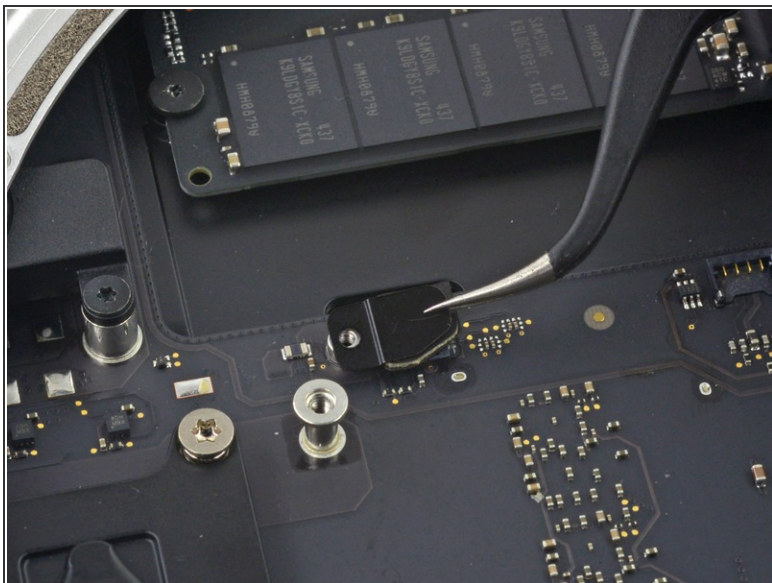
- Remove the fan from the Mac Mini.

Step 14 — Logic Board Assembly



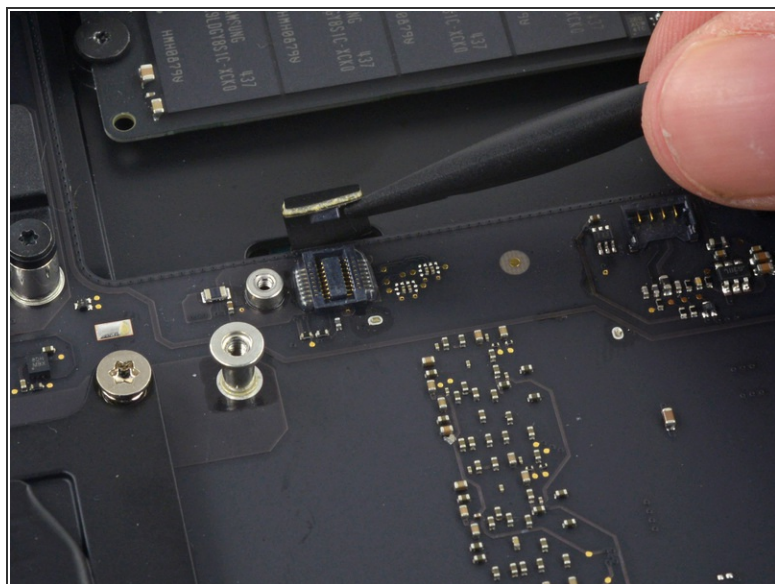
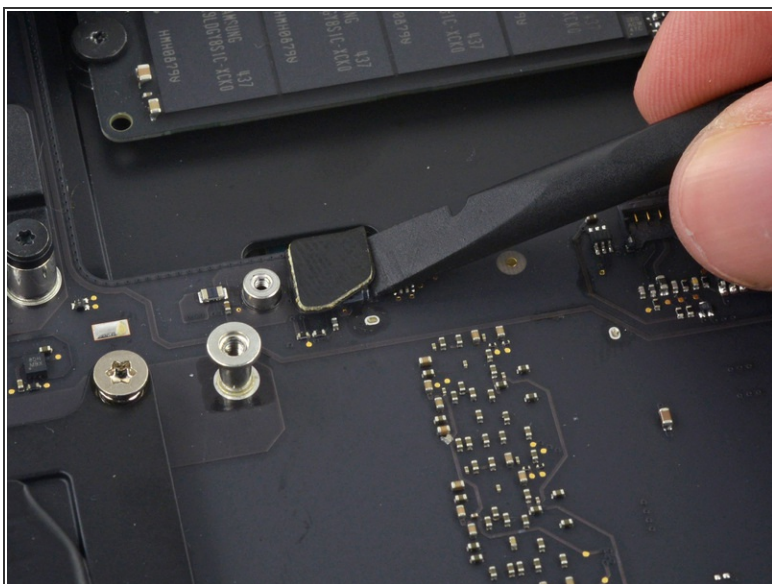
- Remove the 2.6 mm T6 screw securing the SATA cable connector bracket.

Step 15



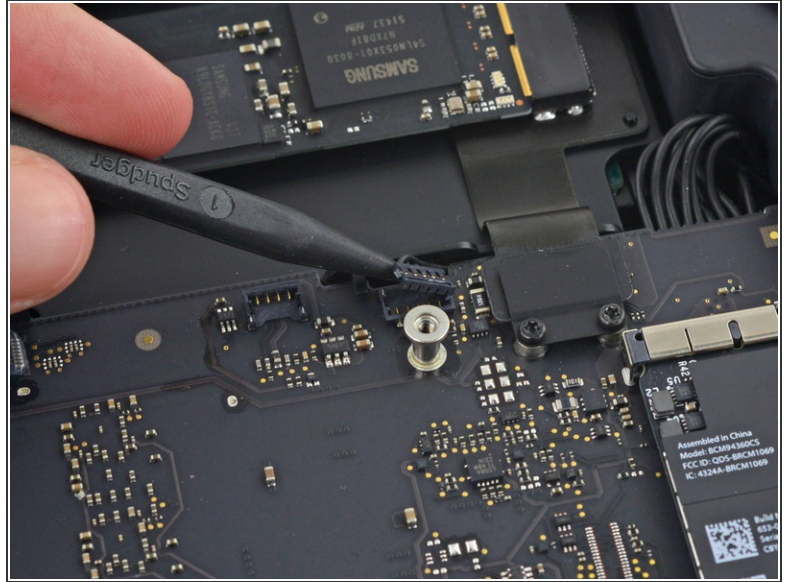
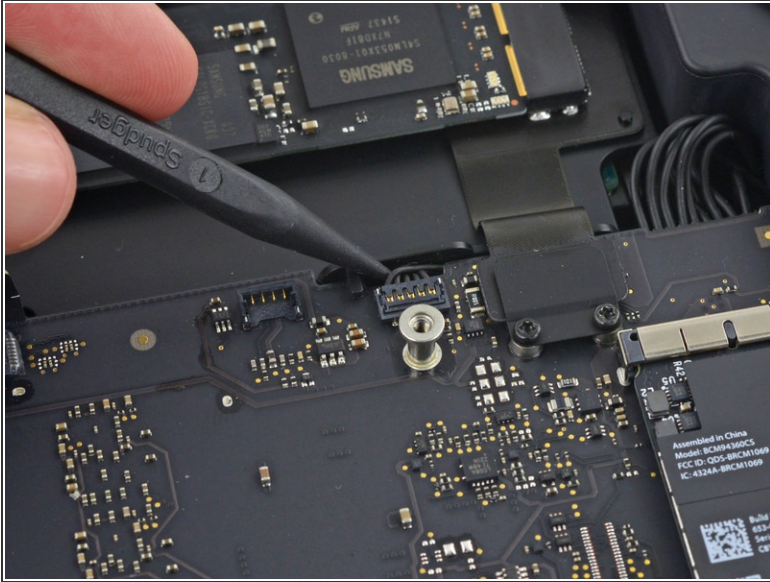
- Remove the SATA cable connector bracket.

Step 16



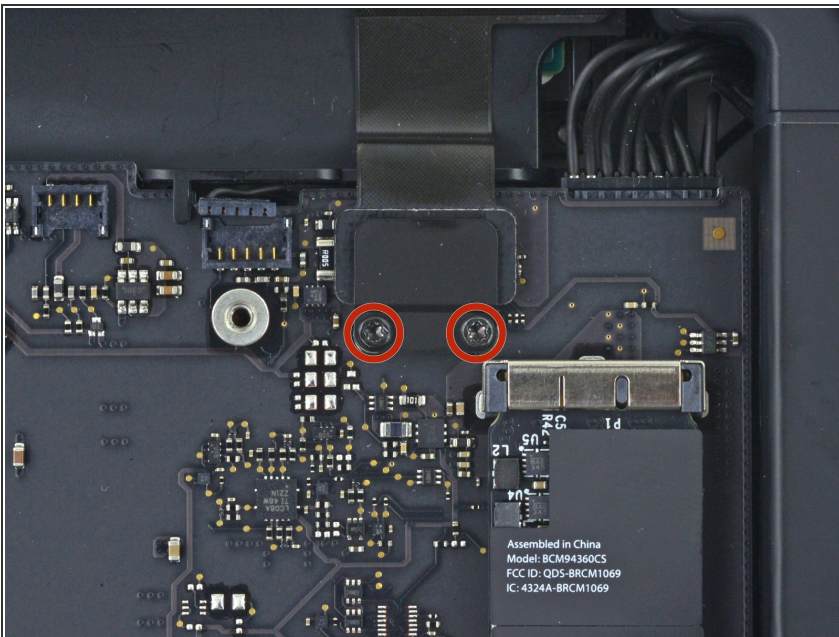
- Use the flat end of a spudger to lift the SATA cable connector up off of its socket on the logic board.

Step 17



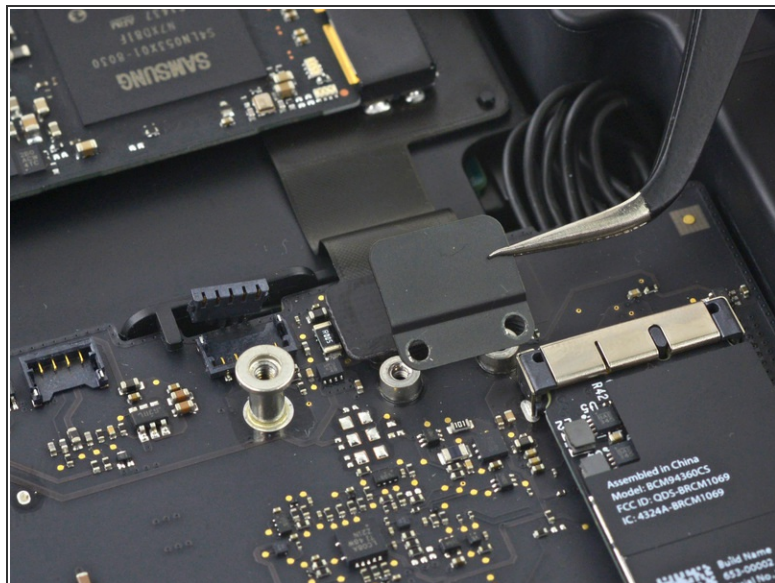
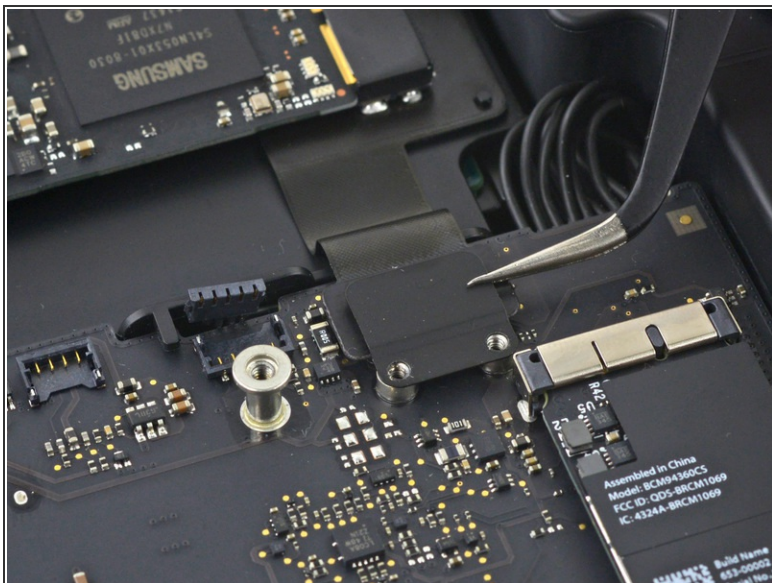
- Use the tip of a spudger to disconnect the IR sensor cable connector by prying it straight up from its socket.

Step 18



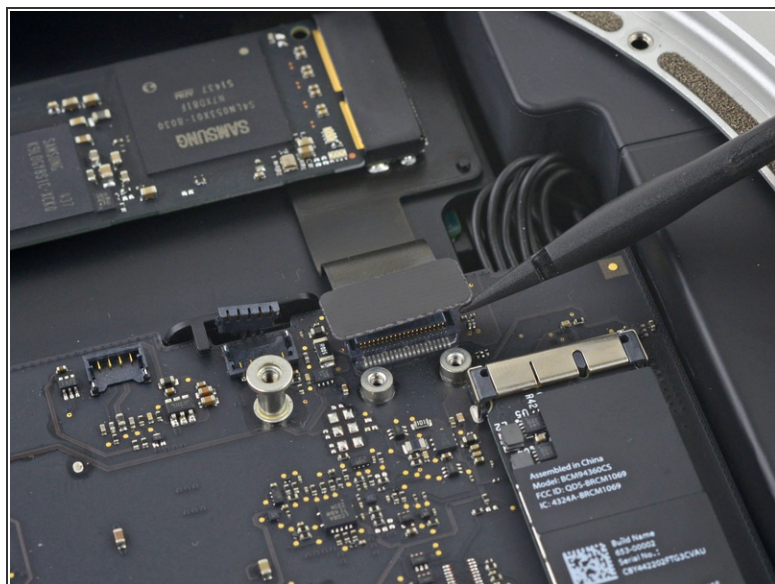
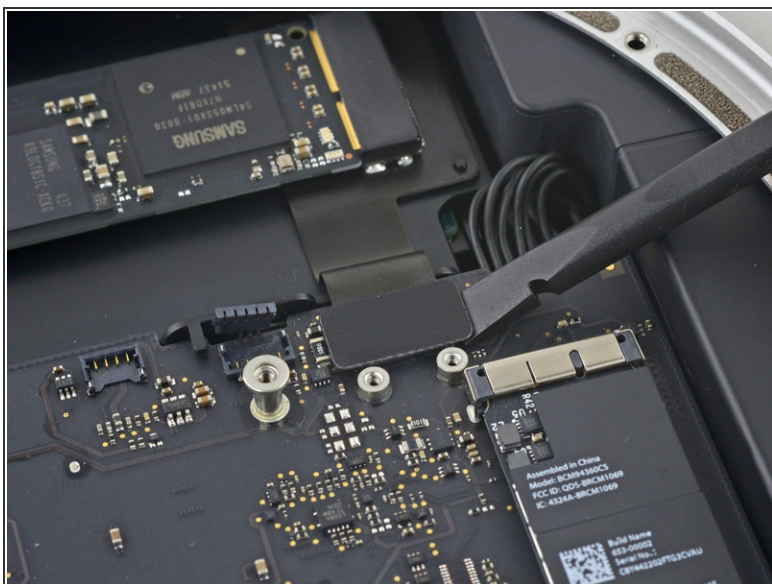
- The following three steps only apply to Mac Minis equipped with a PCIe SSD. Skip the next three steps if your Mac Mini only has a hard drive.
- Remove the two 2.6 mm T6 screws securing the PCIe SSD cable bracket.

Step 19

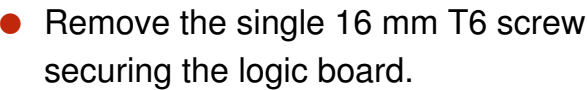


- Remove the PCIe SSD cable bracket.

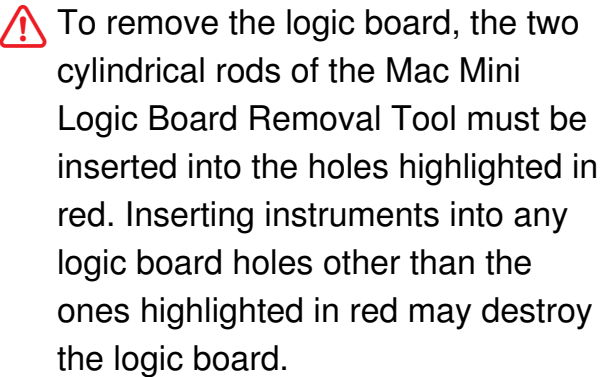
Step 20



- Lift the PCIe SSD connector up off its socket.



Step 22



- Insert the [Mac Mini Logic Board Removal Tool](#) into the two holes highlighted in red. Be sure the rods

make contact with the case under the logic board before proceeding.

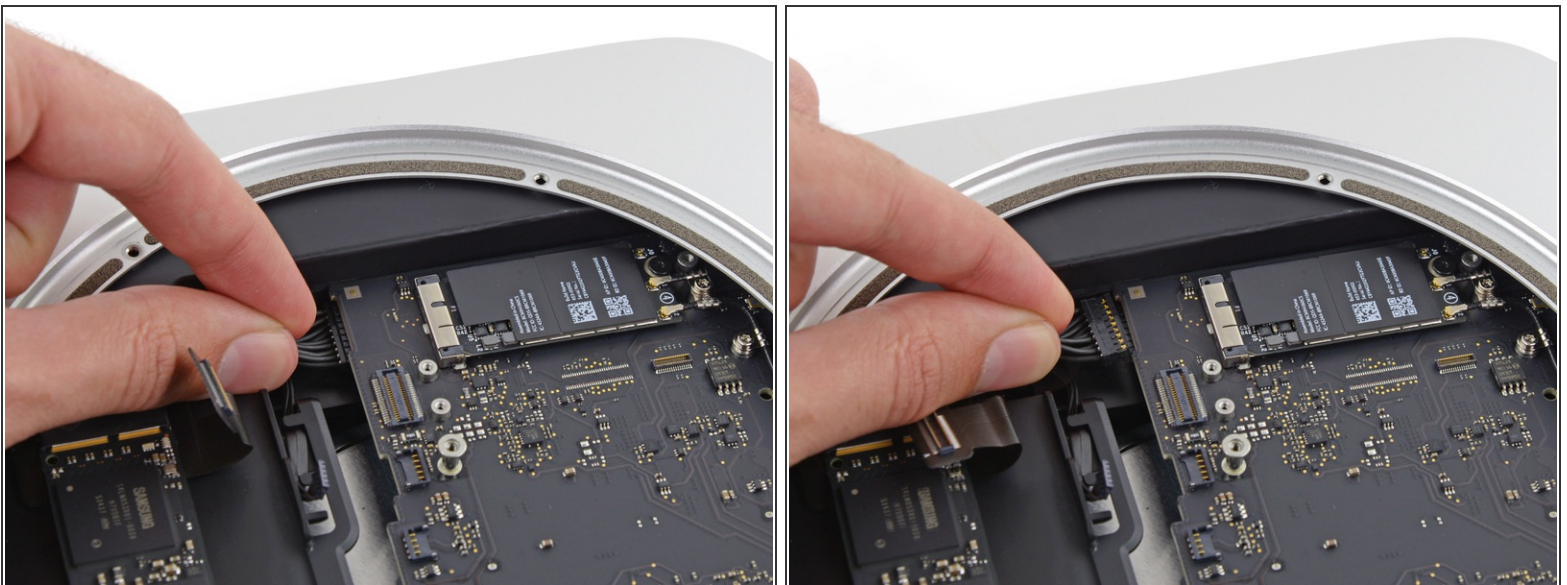
Step 23



- Carefully pull the tool toward the I/O board. The logic board and I/O board assembly should slightly slide out of the outer case.
- Cease prying when the removal tool makes contact with the opening in the rear case.

 Remove the Mac Mini Logic Board Removal tool.

Step 24



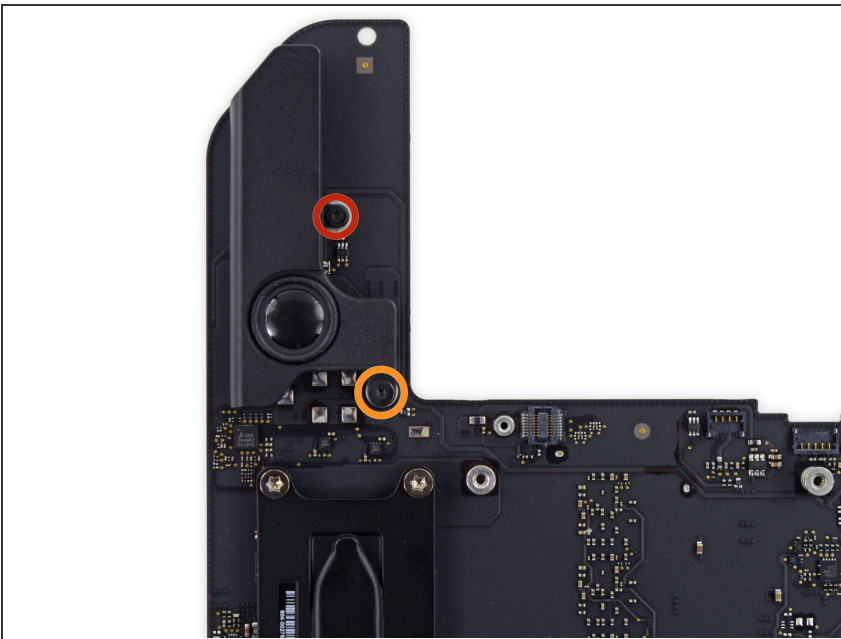
- Pull the DC-In cable connector straight out of its socket on the logic board.

Step 25



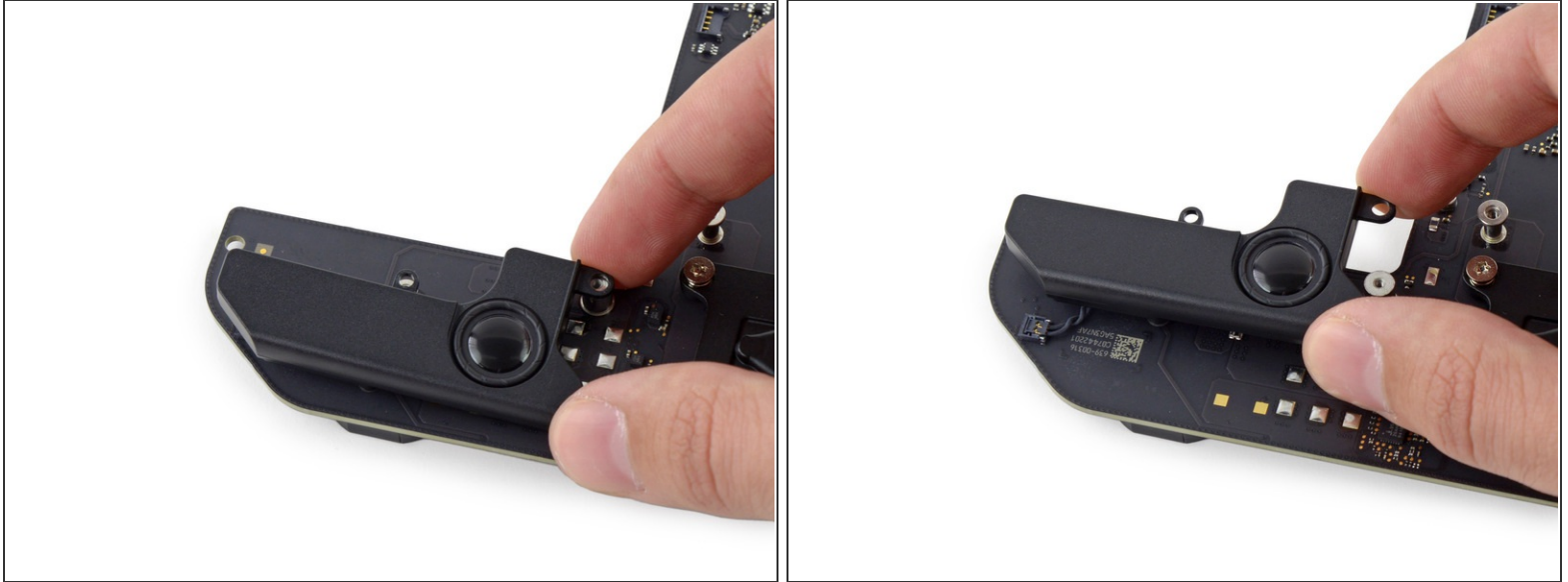
- Carefully slide the logic board assembly out of the Mac Mini, minding any cables that may get caught.


Step 26 — Speaker



- Remove the following T6 Torx screws securing the speaker to the logic board:
 - One 3.6 mm screw
 - One 3.6 mm large headed screw

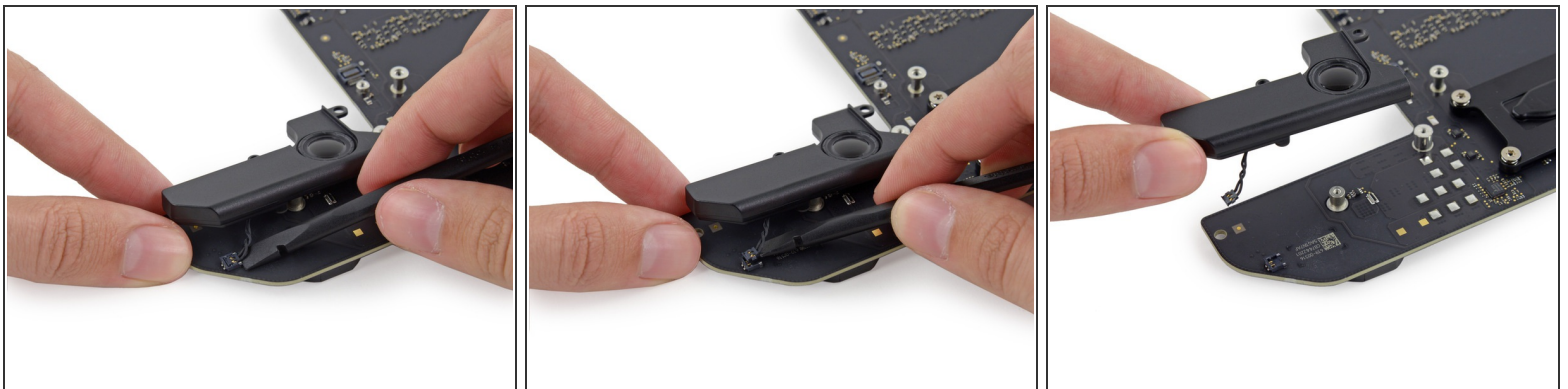
Step 27



 **Do not** attempt to remove the speaker entirely as it is still attached to the logic board.

- Nudge the speaker gently out of the way to allow access to the speaker's connector.

Step 28



- Use the flat end of a spudger to carefully lift the speaker connector up out of its socket on the logic board.
- Remove the speaker from the logic board.

To reassemble your device, follow these instructions in reverse order.

